



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re

U.S. application of:

Jun YAMADA, Masakazu OKADA, Kiyofumi

HASHIMOTO, and Mitsuyoshi MIYAI

For:

LIQUID CRYSTAL DISPLAY ELEMENT AND

METHOD OF PRODUCING THE SAME

U.S. Serial No.:

09/896,873

Confirmation No.:

1027

Filed:

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2871

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To Be Assigned

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Assistant Commissioner

for Patents

Washington, D.C. 20231

Dear Sir:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner For Patents, Washington, D.C. 20231 on	
January 27, 2003	Date of Deposit
Name of Applicant, Assignee, or Registered Representative	
Thomas N. Tamay	Signature
January 27, 2003	Date of Signature

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

In compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56, Applicants wish to bring the following items to the attention of the Examiner. A copy of each of the items is enclosed for the convenience of the Examiner.

No representation is made, and no representation is intended, that more relevant material does not exist, or that the order of presentation of this material in any way reflects its relative pertinence. The references cited below are not intended to constitute an admission of any kind. Specifically, this presentation is not an admission that the items listed below are properly citable against the above-identified application.

Submitted herewith is a copy of the European Search Report (dated December 18, 2002), for related European Patent Application No. EP 01 11 4841. The European Search Report cites the following:

- (1) West et al., U.S. Patent No. 5,453,863, issued September 26, 1995, previously cited in the Supplemental Information Disclosure Statement that was filed on November 25, 2002 (copy not enclosed);
- (2) Z.-J. Lu et al., "Surface Modified Reflective Cholesteric Displays", 1995 SID International Symposium Digest of Technical Papers. Orlando, May 23-25, 1995, SID International Symposium Digest of Technical Papers, Santa Ana, SID, U.S., Vol. 26, 23 May, 1995 (1995-05-23), pages 172-175, previously cited in the Supplemental Information Disclosure Statement that was filed on November 25, 2002 (copy not enclosed);
- (3) Japanese Published Unexamined Patent Application No. (A) 10-090728 (MINOLTA CO LTD), published April 10, 1998, Patent Abstracts of Japan, Vol. 1998, No. 09, 31, July (1998-07-31), previously cited in the Supplemental Information Disclosure Statement that was filed on November 25, 2002 (copy not enclosed);
- (4) M. Schadt et al., "Surface-Induced Parallel Alignment of Liquid Crystals By Linearly Polymerized Photopolymers", Japanese Journal of Applied Physics, Publication Office Japanese Journal of Applied Physics, Tokyo, JP, Vol. 31, No. 7, Part 1, 1 July 1992 (1992-07-01), pages 2155-2164, previously cited in the Supplemental Information Disclosure Statement that was filed on November 25, 2002 (copy not enclosed);
- (5) Patent Abstracts of Japan, Vol. 1998, No. 6, JP 10-031205 (A) (TOSHIBA CORP), published February 3, 1998;
- (6) Khan et al., U.S. Patent No. 6,034,752, issued March 7, 2000;
- (7) Yang et al., U.S. Patent No. 6,061,107, issued May 9, 2000;

- (8) Takatori, U.S. Patent No. 5,864,376, issued January 26, 1999; and
- (9) J. Chen et al., "Four-domain twisted nematic liquid crystal display fabricated by reverse rubbed polyimide process", Journal of Applied Physics, American Institute of Physics, New York, US, Vol. 80, No. 4, 15 August 1996 (1996-08-15), pages 1985-1990.

The European Search Report places Document (1) in Category "A" with regard to claims 1-13, citing column 6, line 35 - column 12, line 54; figures 1-5.

The European Search Report places Document (2) in Category "A" with regard to claims 1-13, citing the whole document.

The European Search Report places Document (3) in Category "A" with regard to claims 8-13, citing the abstract and figure 4.

The European Search Report places Document (4) in Category "A" with regard to claim 13, and in Category "X" with regard to claims 86, 88, and 89, citing sections 6.2 and 6.3 and figures 10 and 11.

The European Search Report places Document (5) in Categories "D" and "A" with regard to claim 14, and in Category "X" with regard to claim 25, citing the abstract and in Category "Y" with regard to claims 35 and 36.

The European Search Report places Document (6) in Category "Y" with regard to claims 35, 36, 76, and 83, citing the whole document.

The European Search Report places Document (7) in Category "X" with regard to claims 42-45, 66, 70, and 79-82, and in Category "Y" with regard to claims 76 and 83, citing the whole document.

The European Search Report places Document (8) in Category "X" with regard to claims 86 and 87, citing the whole document.

The European Search Report places Document (9) in Category "X" with regard to claims 86 and 87, citing the whole document.

Document in category "D" is defined as document cited in the application.

Document in category "A" is defined as document of technological background.

Documents in category "X" are defined as documents which are particularly relevant if taken alone.

Documents in category "Y" are defined as documents which are particularly relevant if combined with another document of the same category.

As this Supplemental Information Disclosure Statement is being filed before receipt of the first office action, no fee is incurred. However, if it should be determined that a fee is required, please charge any required fee (other than the issue fee) during the pendency of this application to Sidley Austin Brown & Wood LLP's Deposit Account No. 18-1260. Please credit any overpayment to Deposit Account No. 18-1260.

Respectfully submitted

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